

CRANIOMAX



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**BRIGHTON & SUSSEX
MEDICAL SCHOOL
HUMAN ANATOMY LAB**

JANUARY 4-6, 2022

A novel training course for surgical trainees and surgeons utilising cadaveric, virtual and mixed reality approaches to the face & anterior skull base



PRICE- £200/day// £500 for 3 days// 20 participants max per day

'CADAVER+'

SURGICAL TRAINING



Course Aims

This three-day course teaches surgical techniques and anatomy for open & endoscopic endonasal surgery of the anterior skull base together with focused modules for access and ablation for head and neck. Experts on the subject will present the anatomical indications and technical aspects of this procedure with risks and benefits. The course features an interactive mixed reality 'dissections' as well as fresh anatomical specimen dissection, lectures and panel discussions, and live streamed 3D anatomy lectures, and case presentations.

Course Schedule

Day 1: Lectures: Principles of Endonasal surgery-Sinuses, Pituitary, CSF Leaks;
Anatomical Specimen Prosection/Hands-On Dissection; Virtual and Mixed reality workshops

Day 2: Extended Endonasal & Open Cranial approaches to anterior skull base
Anatomical Specimen Prosection/Hands-On Dissection; Virtual and Mixed reality workshops

Day 3: Principles of ablative Head & Neck surgery
Anatomical Specimen Prosection/Hands-On Dissection

Who Should Attend

This course is designed for skull base teams (neurosurgeons, otolaryngologists, OMFS/head and neck surgeons) and senior level residents to learn and practice the technical skills needed to perform comprehensive endoscopic endonasal surgery of ventral skull base. OMFS/Head & Neck surgeons will learn and train on access for skull base procedures and principles of ablation and reconstructive techniques in free flap inseting

Course Objectives

Following completion of this course, participants should be able to:

- Describe anatomic relationships between anterior skull base, paranasal sinuses & orbit.
- Understand indications, benefits & risks associated with open & endoscopic endonasal skull base/vascular surgery.
- Utilize endoscopic techniques to approach tumors in anterior/middle cranial fossae.

Understand principles of access for skull base surgery including transfacial techniques
Understand principles of access for oropharynx & tongue base with transmandibular techniques

Understand principles of head and neck ablation and reconstructive techniques in free flap inseting

Course Organisers

Jinendra Ekanayake, Jagtar Dhanda

Course Directors

Rafid Al-Mahfoudh, Andrew Pelser, Catherine Rennie, Neil Dorward, Giles Critchley

For registration, contact: nicky@maxfaxdentalimplants.co.uk



DAY 1 ENT/ NEUROSURGERY

JAN 4

8:30-9:00am Welcome/ Coffee

9.00- 9.30

Nasal anatomy/ Operative video

9.30- 10.00

2-hands vs 4-hands/ Team working
Nasal entry

10 - 00 - 11.00 Session 1- Nasal approaches/ Sinus anatomy

Group 1 Cadaveric dissection

Group 2 Mixed reality training

11:00-11:30pm Coffee break

11:30-12:00pm

Lecture: Managing CSF leaks

12:00-12:30pm

Nasoseptal flaps and their nuances

12:30-1:30pm Lunch

1:30 - 2.30 Session 2- Pituitary and sella approaches

Group 1 Cadaveric dissection

Group 2 Mixed reality training

2:30-3:00pm Coffee break

3:00 - 4:00

Session 1 Groups reversed

4:00-4:30pm Coffee break

4:30 - 5:30

Session 2 Groups reversed

Session close



DAY 2 ENT/ NEUROSURGERY

JAN 5

8:30-9:00am Coffee

9.00- 9.30

Carotid injury/ Operative video

9.30- 10.00

Complication avoidance in endonasal approaches to intracranial surgery

**10 - 00 - 11.00 Session 3-
Fundamentals of Extended
approaches**

Group 1 Cadaveric dissection

Group 2 Mixed reality training

11:00-11:30pm Coffee break

11:30-12:00pm

Lecture: Microsurgical fundamentals

12:00-12:30pm

Lecture: Vascular pathology

12:30-1:30pm Lunch

**1:30 - 2.30 Session 4 - Pterional
approaches**

Group 1 Cadaveric dissection

Group 2 Mixed reality training

2:30-3:00pm Coffee break

3:00 - 4:00

Session 3 Groups reversed

4:00-4:30pm Coffee break

4:30 - 5:30

Session 4 Groups reversed

Session close

DAY 3 OMFS

JAN 6

8:30-9:00am Coffee

9.00- 10.00

Lecture: Principles of H+N 'ablative' surgery

10.00- 11.00

Lecture: Ablative surgery for floor of the mouth, tongue and mandible

11:00-11:30pm Coffee break

11 - 00 - 1.00 OMFS dissection

Prosection and dissection
- mandible splitting

1:00-2:00pm Lunch

2:00-3:00pm

Lecture: Ablative surgery for tumours of the maxilla, nasal and paranasal sinuses

3:00 - 5.30pm OMFS dissection

(4:00-4:30pm Coffee break)

Course end

